What is claimed is:

1. In a full-duplex communications system having at least one node compliant with the P1394b standard, a method for determining and communicating the existence of a hybrid bus comprising the acts of:

determining whether the node has a connection to a Legacy link layer;

if said node determines that it has a connection to a Legacy link layer, then transmitting a Self-ID packet without a Speed Code; and

if said node determines that it does not have a connection to a Legacy link layer, then transmitting a Self-ID packet without a Speed Code.

2. A computer readable medium containing instructions, that, when executed by a computer, determine and communicate the existence of a hybrid bus in a full-duplex communications system having at least one node compliant with the P1394b standard, by performing the acts of:

determining whether the node has a connection to a Legacy link layer;

if said node determines that it has a connection to a Legacy link layer, then transmitting a Self-ID packet without a Speed Code; and

if said node determines that it does not have a connection to a Legacy link layer, then transmitting a Self-ID packet without a Speed Code.

3. A device containing instructions that, when executed by the device,

determine and communicate the existence of a hybrid bus in a full-duplex communications system having at least one node compliant with the P1394b standard, by performing the acts of:

determining whether the node has a connection to a Legacy link layer;

if said node determines that it has a connection to a Legacy link layer, then transmitting a Self-ID packet without a Speed Code; and

if said node determines that it does not have a connection to a Legacy link layer, then transmitting a Self-ID packet without a Speed Code.